

UNITED STATES PATENT AND TRADEMARK OFFICE
 (Case No. 01-109)



IN THE APPLICATION OF:

Tian et al.)	RECEIVED
Serial No.	09/821,409)
Filed:	March 29, 2001)
Title	System And Method For DTMF Detection Using Likelihood Ratios)

JUL 17 2001

Examiner:	Technology Center 2600
	To be Assigned
Group Art Unit:	2152
Confirmation No.:	3681

BOX DD
 Commissioner for Patents
 Washington, D.C. 20231

Sir:

TRANSMITTAL LETTER

In regard to the above identified application:

1. We are transmitting herewith the attached:

- a. Information Disclosure Statement;
- b. Form PTO-1449;
- c. Copy of IDS Citations 09/821,409 (4 references);
- d. Return Receipt Postcard.

2. With respect to additional fees:

No additional fee is required.

3. Please charge any additional fees or credit overpayment to Deposit Account No.13-2490.
 A duplicate copy of this sheet is enclosed.

4. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Box DD, Washington, D.C. 20231 on this 2nd day of July, 2001.

By :


 Timothy R. Baumann
 Reg. No. 40,502

MCDONNELL BOEHNEN,
 HULBERT & BERGHOFF
 300 SOUTH WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 TELEPHONE (312) 913-0001



PATENT

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Tian et al.)	
) JUL 17 2001	
Serial No.) 09/821,409 Technology Center 2600) Examiner: _____ To be Assigned
Filed:) March 29, 2001) Group Art Unit: 2152 7/19/01
Title) System And Method For DTMF Detection Using Likelihood Ratios) Confirmation No.: 3681 MBS

INFORMATION DISCLOSURE STATEMENT

BOX DD
Commissioner for Patents
Washington, D.C. 20231-9999

Dear Sir:

Pursuant to the duty of disclosure provided by 35 C.F.R. § 1.56 and §§ 1.97-98, the applicants wish to make the following references of record in the above-identified application. Copies of the references are enclosed. Copies are also listed in the PTO-1449 form enclosed herewith. It is requested that the documents be given careful consideration and that they be cited of record in the prosecution history of the present application so that they will appear on the face of the patent issuing from the present application.

Portions of the references may be material to the examination of the pending claims, however no such admission is intended. 37 C.F.R. 1.97 (h). The references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative importance of any portion of the references. This Statement is not a representation that the cited references have effective



dates early enough to be "prior art" within the meaning of 35 U.S.C. sections 102 or 103,

nor is this submission to be construed as a representation that a search has been made.

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Technology Center 2600

CITED REFERENCES

U.S. Patent Documents

Document Number	Date	Name	Class	Sub Class	Filing Date of App.
4,689,760	08/25/1987	Lee et al.	370	110.3	11/09/1984
4,853,958	08/01/1989	Rabipour et al.	379	386	06/02/1988
5,459,784	10/17/1995	Forrest F. Tzeng	379	386	09/28/1992

Other Documents

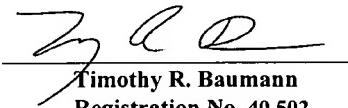
1. Gunter Schmer, "*DTMF Tone Generation And Detection: An Implementation Using The TMS320C54x*", Texas Instruments, May 2000, pages 1-19.

Respectfully submitted,

McDonnell Boehnen Hulbert & Berghoff

Date: 7/2/01

By:



Timothy R. Baumann
Registration No. 40,502



Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
01-109Serial No.
09/821,409

Applicant

Tian et al.

Filing Date:

March 29, 2001

Group:

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U.S. Patent Documents

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Foreign Patent Documents

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Other A/C

See Page 2

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	4,689,760	08/25/1987	Lee et al.	370	110.3	11/09/1984
	A2	4,853,958	08/01/1989	Rabipour et al.	379	386	06/02/1988
	A3	5,459,784	10/17/1995	Forrest F. Tzeng	379	386	09/28/1992
	A4						
	A5						
	A6						
	A7						
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	A19						
	A20						

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EXAMINER:

DATE CONSIDERED:

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)



Form PTO-1449 (modified)

List of Patents and Publications for Applicant's
INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

Atty. Docket No.
01-109

Serial No.
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Applicant

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Filing Date:
March 29, 2001

JUL 17 2001
Technology Center 2600

Group:
To be Assigned

U.S. Patent Documents
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Foreign Patent Documents
See Page 2

Other Art
See Page 2

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
	B1						
	B2						
	B3						
	B4						
	B5						

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Gunter Schmer, "DTMF Tone Generation And Detection: An Implementation Using The TMS320C54x", Texas Instruments, May 2000, pages 1-19.
	C2	
	C3	
	C4	
	C5	
	C6	
	C7	
	C8	
	C9	
	C10	
	C11	
	C12	
	C13	
	C14	
	C15	

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INFORMATION DISCLOSURE STATEMENT — PTO-1449 (MODIFIED)